

4/46

Length: 1906 July 7, 1996 12:35 Type: N Check: 7122 ..

1 CATTGGGTCA CGCGGTGGCG GCGCTCTAGA ATAGTGGATC CCCCAGGGCTG
51 CAGGAATTAG ATTTCGAGGCC ACGAAGGCCG CGGGCGCGGC GCAAGCACCG
101 GCCCCGGGGAn AGGCnCCATG AGCGGATCnC nGAACnATGA CAAAAGACAA
151 TTTCTGCTGG AGCGACTGCT GGATGCCAGTG AACACGTGCC AGATCCGCTT
201 TnGAGGGAGA AAGGAGATTG CCTCCGGATTG CGACAGCAGG GTCACCTGTC
251 TGTGTGCCCA GTTTGAAGCC GTCCCTGCAGC ATGGCTTGAA GAGGGAGTCGA
301 GGATTGGCAC TCACAGCGGC AGCGATCAAG CAGGCAGCGG GCTTTGCCAG
351 CAAAACCGAA ACAGAGCCCG TGTTCTGGTA CTACGTGAAG GAGGTCCCTCA
401 ACAAGCACGA GCTGCAGCGC TTCTACTCCC TGCGCCACAT CGCCTCAGAC
451 gTGGGCCGGG GTCGCGCCTG GCTGcGCTGT GCCCTCAACG AACACTCCCT
501 GGAGCGCTAC CTGCACATGC TCCTGGCCGA CCGCTGCAGG CTGAGGACTT
551 TTTATGAAGA CTGGTCTTTT GTGATGGATG AAGAAAGGTC CAGTATGCTT
601 CCTACCACATGG CAGCAGGTCT GAACTCCATA CTCTTGCGA TTAACATCGA
651 CAACAAGGAT TTGAACGGGC AGAGTAAGTT TGCTCCCACC GTTTCAGACCC
701 TCTTAAAGGA GTCAACGCAG AACGTGACCT CCTTGCTGAA GGAGTCCACG
751 CAAGGAGtGA GCAGCCTGTT CAGGGAGATC ACAGCCTCT CTGCCGTCTC
801 CATCCTCATC AAACCTGAAC AGGAGACCGA CCCTTGCCTG TCGTGTCCAG
851 GAATGTCAGT GCTGATGCCA AATGCAAAA GGAGCGGAAG AAGAAAAAGA

FIG. 3A - |

SUBSTITUTE SHEET (RULE 26)

5/46

901 AAGTGACCAA CATAATCTCA TTTGATGATG AGGAAGATGA GCAGAACTCT
951 GGGGACGTGT TTAAAAAGAC ACCTGGGGCA GGGGAGAGCT CAGAGGACAA
1001 CTCCGACCGC TCCTCTGTCA ATATCATGTC CGCCTTGAA AGCCCCTTCG
1051 GGCCTAACTC CAATGGAATC AGAGCAGCAA CTCATGGAAA ATTGATTCCC
1101 TGTCTTGAA CGGGGAGTTT GGGTACCAGA AGCTTGATGT GAAAAGCATC
1151 GATGATGAAG ATgtGGATGA AAACGAAGAT GACgtGTATG GAAACTCATC
1201 AGGAAGGAAG CACAGGGGCC ACTCGGAGTC GCCCGAGAAG CCACTGGAAG
1251 GGAACACCTg CCTCTCCAG ATGCACAGCT GGgCTCCGCT GAAGggTgCTG
1301 CaCAatGACT CCGACATCCT CTTCCCTGTC AGTGGCGTGG gCTCCTACAG
1351 CCCAGCAGAT gCCCCCCTCG GAAGCCTGGA GAACGGGACA GGACCAAGAGG
1401 ACCACGTTCT CCCGGATCCT GGACTTCGGT ACAGTGTGGA AGCCAGCTCT

FIG. 38 3A-2

SUBSTITUTE SHEET (RULE 26)

1451 CCAGGCCACG GAAGTCCTCT GAGCAGCCTG TTACTTCTGC CTCAGTGCCA
1501 GAGTCCATGA CAATTAGTGA ACTGCGCCAG GCCACTGTGG CCATGATGAA
1551 CAGGAAGGAT GAGCTGGAGG AGGAGAACAG ATCACTGCGA AACCTGCTCG
1601 ACGGTGAGAT GGAGCACTCA GCCCGCGCTCC GGCAAGAGGT GGACACCTTG
1651 AAAAGGAAGG TGGCTGAACA GGAGGGAGCGG CAGGGCATGA AGGTCCAGGC
1701 GCTGGCCAGC TATCTTGCT ATTTTGTGAG GAGATTCTAA CCCCCACGTGA
1751 GAACCATGTG GTGGAGAAAT GGAGGGAGAG AGAAATCCAA CAGTTCCCTGA
1801 TAGTCTCATT TGAGCTCCTG GATCCAGTCT TTCCCTGAAGC TGTGTTCCCT
1851 CTGGACTTTT CATGTATGTG AGCCAATAAA TTGCTTTCAT TCCTTGAAAA
1901 AAAAAA

FIG. ~~3~~ A-3

7/46

TRANSLATE of: 9hhh check: 7122 from: 1 to: 1906
generated symbols 1 to: 635.

9hhh.pep Length: 604 August 23, 1996 15:03 Type: P Check: 4554

1 XTGPGXGXMS GSXNXDKRQF LLERLDAVK QCQIRFXGRK EIASDSDSRV
51 TCLCAQFEAV LQHGLKRSRG LALTAAAIKQ AAGFASKTET EPVFWYYYKE
101 VLNKHQLQRF YSLRHIASDV GRGRRAWLRCA LNEHSLERYL HMLLADRCRL
151 STFYEDWSFV MDEERSSMLP TMAAGLNSIL FAINIDNKDL NGQSKFAPTV
201 SDLLKESTQN VTSLLKESTQ GVSSLFREIT ASSAVSILIK PEQETDPCLS
251 CPGMSVLMPN AKRSGRKRK *PT*SHLMMR KMSRTLGTCI KRHLGQGRAQ
301 RTTPTAPLSI SCPPLXAFSG LTPMESEQQL MEN*FPVFER GVVVPEA*CE
351 KHR**RCG*K RR*RVWKLIR KEAQGPLGVA REATGREHLP LPDAQLGSAE
401 GAAQ*LRHPL FCQWRGLLQP SRCPPRKPGZ RDRTRGPRSP GSWTSVQCGS
451 QLSRPRKSSE QPVTSASVPE SMTISELRQA TVAMMNKRDE LEEENRSLRN
501 LLDGEMEHSA ALRQEVDTLK RKVAEQEERQ GMKVQALASY LCYFVRRF*P
551 HVRTIMWWRNG GREKSNSS** SHLSSWIQSF LKLCFLWTFH VCEPINCFHS
601 LKKK

FIG. 36

SUBSTITUTE SHEET (RULE 26)

8/46

clone 10 Length: 2631 August 23, 1996 17:18 Type: N Check: 5107

1 CCCcTcTcAC AGCcCAgGCC ATCCAAAGAGG GgCTGAGGAA AGAGCCCAC

51 cACCGcGTGT cTGCAGcGGGA GcTGGGAGGG AAGGTGAACC CGGCACtACA

101 GCAAGTGGGA GGTcTGAAGA GCCCTTGGAG GGGAGAATAT AAAGAACCAA

151 GACATCCACc GCCAAATCAA CCCaAtTACC ACCAGACCCcT CcATGCCcAg

201 CCGAGAGAGc TtTcGCCAAG GGGCCcAGGG CCCCCGGCCAg CTGAGGAGAC

251 AACAggCAGA GCCCCcTAAGc TCCAGCcTCC TcTCCCACCA GAGCCCCCAG

301 AGCCaAACAA GTcTCCTCCC ttGACTttGA GCAAGGAGGA GTcTGGGATG

351 TGGGAACCT TACcTctGTC cTCCCTGGAG CCAGCCCCCTG CCAGAAACCC

401 CAGcTCACCA GAGCGGAAAG CAACCGTCCC GGAGCAGGAA CTGCAGCAGC

451 TCGAAATAGA ATTATTCCCTC AACAGCCTGT CCCAGcCATT TTcTctGGAG

501 GAGCAGGAGC AAATTCTcTc GTGCCTCAGC ATCGACAGCC TCTCCCcGTC

551 CGATGACAGT GAGAGAGAAC CATTCAAAGGC CTCTCAAAGC TCGCGGGACA

601 CCCTGAGCTC AGGGGTACAC TCCTGGACCA GcCAGGCCGA GGcTCGAAGC

651 TCCAGCTGGA ACATGGTGT GGGGGGGgg CGgCCCCACCG ACACCCCCAAG

701 CTATTCAAT GGTGTAAAG TCCAAATACA GTCTCTTAAT GGTGAACACC

751 TGCACATCCG GGAGTTCCAC CGGGTCAAAG TGGGAGACAT CGCCACTGGC

801 ATCAGCAGCC AGATCCCAGC TGCAGCCTTC AGCTTGGTCA CCAAAGACGG

851 GCAGCCTGTT CGCTACGACA TGGAGGTGCC AGACTCGGGC ATCGACCTGC

901 AGTGCACACT GGGCCCTGAT GGCAGCTTCG CCTGGAGCTG GAGGCTCAAG

951 CATGGCCAGC TGGAGAACAG GGGCTAACCC TGCCCTCCAC CGCCGGcTCC

1001 ACACGCCCCG aAAGCAGCCT TCCTGCTCGG tGCACGATGC TGCCCTGAaA

1051 AcACAGGcTC AGCcGTTCCC AgGGgATyTG .CCAGCCCCC cGGcTcArCA

1101 G.tGGGaAcc AGGGGcTcG. CAGG.C.AG.C. AGGT.gGGGG CAAGC.AGAA

1151 TGCCCTCCAG GATTTcACA. CcTGAGCCC. TGCCCTCA.CC cTGcTGAadA

1201 AAAcAyT.CC GGGAGGtGAA GagAcAGaAG GAGGATGG.C AGGAqTt..A

1251 CcTygGGGAA aCaAAAAGg gATcTTt.tt cTGccCcTGC TCCAGT.cGA

FIG. 4-1

9/46

1301 gtTGGCCTG. ACCCGCTTGG A.TCAgtGAC CATTGtTGG CAGA. CAGGG
1351 GagAgCAGcT TCCAGGcTGG gTCAGAAGGG GTGGGcGAGC CCTTcGGCCC
1401 cTcAcCCT.c cAGGcTGcTG tG.ACAGTGT CAAGTGTGTA AGGG.CCCAA
1451 A.cTcAGG.T TCAGTGCAGA ACCAgGT.CA GCAGGTATGC CCGCCCC.TA
1501 GGTAA..GG GGGCCcTcT. AAACCCCTTG CCT.GGCCT. CACCT.GGCC
1551 AGCTCA.CCC cTTTTGGGTG TAGGGGAAAA GAATGCCCTGA CCCTGCCGAAG
1601 GCTWCCCTGG TAgtAATACAC CACACTTTTC AGGTTGTTGC AACACAGGTC
1651 CTGAGTTGAC CTCTGGTTCA CCCAAGGACC AAAGAAGGTG TGTAAGTGAA
1701 GTGGTTCTCA gT.CCCCCAgA CATgtgCCCC TTTGCTGCTG CCTACCACTC
1751 TTCCCCAgA CAGCAGGccc CgAgCCCCCTT CAGGcccAgC AcTGccccAG
1801 AcTCgCTGGC aCTCAGTTCC CTCATCTGTA AAGGTGAAGG GTGATGCCAGG

1851 ATATGCCCTGA CAGGAACAGT CTGTGGAtGG AcATGATCAg TGcT.AAGG.
1901 AAAGCAGcAG AGaGAGACGy TCCGGCGCCC CAg.CCCCCAc T.ATCAGTgT
1951 .CCAgCGTGC T.GGTT.CCC CAg.AGCACA GcT.CAg.CA TcA.CACTGA
2001 CACT.CAcCC T.GCCcTGCC CCT.GGCCA. GAgGGTACTG CCG.ACGGCA
2051 CTTTGCAC.T CTGATG.ACC TCAAACCACT TTCATGgCT. GcCCTct..G
2101 GCAGGG.CAG GG.CAGGG.C AgTGAcA.CT GTAGG.AGCA TA.gCAA.GC
2151 CAgGAGATGG GGTG.AAGGG A.CACAGTCT TGAGCTGTCC A.CATCCATG
2201 TGAct.CCTC AAAAcCTctT. .CCAG.ATTT CTCTAAGAAT AGCA.CCCCCC
2251 TT.CCCCCATT GCCCCAGCTT AgCCTCTTCT CCCAGGGGAG CTA.CTCAGG
2301 ACTCACGTAg CATTAAATCA GCTGTG.AAT CGTCAGGGGG TGTCTGCTAg
2351 CCTCAACCTC CTGGGGCaGG GGACgCCGAg ACTCCGTGGG AgAAgCTCAT
2401 TCCcCaCATCT TGCCAAgACA gCCTTT.GTC CAgCTGTCCA CATTGAgtTCA
2451 gACTGCTCCC GGGGAgAgAg cCCCGGcCCC CAgCACATAA AGAACTGCAG
2501 CCTTGGTACT GCAGACTCTG GGTGCTAGAG AACTCTTTGT AAGCAATAAA
2551 GTTTGGGGTG ATGACAAAATG TTAAAAAAAG GCCTTCGTGG CCTCGAATCA
2601 AGCTTATCGA TACCGTCCAC CTGAGGGGG G

FIG. 4B'4-2

SUBSTITUTE SHEET (RULE 26)

1 AGC GGG ACT GTG CCG TGT GGA ACG TGT AGC TGT TGA AGG TGG ACT CTG TTA CCA TTG
 61 AGG ATG TTT GGA GGA TGA GTA TGT GTG GCA GAG GCA CAC ATA AAC AGG CAG AGA CCC TTT
 * 121 GCC CCT GCC TTT CTC CCC CAA CCC AAG GCT GAC CTG TGT TCT CCC AGG TCT GGG ATT CTA
 181 AGT GAC CTG CTC TGT GTT TGG TCT CTC TCA GGA TGA GCA CAA GCC TGG GAG ATG GCA GTG
 * 151 M A V
 241 ATG GAA ATG GCC TGC CCA GGT GCC CCT GGC TCA GCA GTG GGG CAG CAG AAG GAA CTC CCC
 M E M A C P G A P G S A V G Q Q K E L P
 301 AAG CCA AAG GAG AAG CCG CCA CTG GGG AAG AAA CAG AGC TCC GTC TAC AAG CTT GAG
 K P K E K T P P L G K Q S S V Y K L E
 361 JGG GAG AAG AGC CCT GTG TGC GGA AAG TGG GAG ATC CTG AAT GAC GTG ATT ACC
 A V E K S P V F C G K W E I L N D V I T
 421 451
 AAG GGC ACA GCC AAG GAA GGC TCC GAG GCA GGG CCA GGT GCC ATC TCT ATC ATC GCC CAG
 K G T A K E G S E A G P A A I S I I A Q
 481 511
 GCT GAG TGT GAG AAT AGC CAA GAG TTC AGC CCC ACC TTT TCA GAA CGC ATT TTC ATC GCT
 A E C E N S Q E F S P T F S E R I F I A
 541 571
 GGG TCC AAA CAG TAC AGC CAG TCC GAG AGT CTT GAT CAG ATC CCC AAC ATT GTG GCC CAT
 G S K Q Y S Q S E S L D Q I P N N V A H

FIG. 6A

SUBSTITUTE SHEET (RULE 26)

FIG. 6-1

~~13/46~~

601 GCT ACA GAG GGC AAA ATG GCC CGT GTG TGT TGG AAG GGA AAG CGT CGC AGC AAA GCC CGG
 A T E G K M A R V C W K G K R R S K A R
 661 AAG AAA CGG AAG AAG AGC TCA AAG TCC CTG GCT CAT GCA GGA GTG GCC TTG GCC AAA
 K R K K S S K S L A H A G V A L A K
 721 CCC CTC CCC AGG ACC CCT GAG CAG AGC TGC ACC ATC CCA GTG CAG GAT GAG TCT
 P L P R T P E Q E S C T I P V Q E D E S
 781 CCA CTC GGC GGC CCA TAT GTT AGA AAC ACC CCG CAG TTC ACC AAG CCT CTG AAG GAA CCA
 P L G A P Y V R N T P Q F T K P L K E P
 841 GGC CTT GGG CAA CTC TGT TTT AAG CAG CTT GGC GAG GGC CTA CGG CCG GCT CTG CCT CGA
 G L G Q L C F K Q L G E G L R P A L P R
 901 TCA GAA CTC CAC AAA CTG ATC AGC CCC TTG CAA TGT CTG AAC CAC GTG TGG AAA CTG CAC
 S E L H K L I S P L Q C L N H V W K L H
 961 CAC CCC CAG GAC GGA GGC CCC CTG CCC CTG CCC ACG CAC CCC TTC CCC TAT AGC AGA CTG
 H P Q D G G P L P L P T H P F P Y S R L
 1021 CCT CAT CCC TTG CCA TTG CAC CCT CTC CAG CCC TTG AAA CCT CAC CCT CTG GAG TCC TTC
 P H P F H P L Q P W K P H P L E S F
 1081 CTC GCC AAA CTG GCC TGT GTA GAC AGC CAG AAA CCC TTG CCT GAC CCA CAC CTG AGC AAA
 L G K L A C V D S Q K P L P D P H L S K
 1141 CTC GCC TGT GTA GAC AGT CCA AAG CCC CTG CCT GGC CCA CAC CTG GAG CCC AGC TGC CTG
 L A C V D S P K P L P S C L
 1201 TCT CGT GGT GCC CAT GAG AAG TTT TCT GTG GAG GAA TAC CTA GTG CAT GCT CTG CAA GGC
 S R G A H E K F S V E E Y L V H A L Q G
 1261 AGC GTG AGC TCA AGC CAG GCC CAC AGC CTG ACC AGC CTG GCC AAG ACC TGG GCA GCA CGG
 S V S S Q A H S L T S L A K T W A A R

FIG. 6-2

~~FIG. 6B~~

14/46

1321 GGC TCC AGA TCC CCG GAG CCC AGC CCC AAA ACT GAG GAC AAC GAG GGT GTC CTG CTC ACT
 C S R S P E P S P K T E D N E G V L L T
 1381 GAG AAA CTC AAG CCA GTC GAT TAT GAG TAC CGA GAA GTC CAC TGG GCC ACG CAC CAG
 E K L K P V D Y E Y R E V H W A T H Q
 1441 CTC CGC CTG GGC AGA GGC TCC TTC GGA GAG GTG CAC AGG ATG GAC CAG AAG CAG ACT GGC
 L R L G R G S F G E V H R M E D K Q T G
 1501 TTC CAG TGC GCT GTC AAA AAG GTC GTC GTC GAA GTC TTT CGG GCA GAG GAG CTG ATG GCA
 F Q C A V K V R L E V F R A E E L M A

1351 TGT GCA GGA TTG ACC TCA CCC AGA ATT GTC CCT TTG TAT GGA GCT GTG AGA GAA GGG CCT
 C A G L T S P R I V P L Y G A V R E G P
 1411 1651
 TGG GTC AAC ATC TTC ATG GAG CTG CTG GAA GGT GGC TCC CTG GGC CAG CTG GTC AAG GAG
 W V N I F M E L E G S L G Q L V K E

1471 1681 1711
 CAG GGC TGT CTC CCA GAG GAC CGG GCC CTG TAC CTG GGC CAG GCC CTG GAG GGT CTG
 Q G C L P E D R A L Y Y L G Q A L E G L

1531 1591 1771
 GAA TAC CTC CAC TCA CGA AGG ATT CTG CAT GGG GAC GTC AAA GCT GAC AAC GTC CTC CTG
 E Y L H S R R I L H G D V K A D N V L L

1621 1661 1801 1831
 TCC AGC GAT GGG AGC CAC GCA GCC CTC TTG GAC TTT GGC CAT GCT GTG TGT CTT CAA CCT
 S S D G S H A A L C D F G H A V C L Q P

1681 1891
 GAT GGC CTG GGA AAG TCC TTG CTC ACA GGG GAC TAC ATC CCT GGC ACA GAG ACC CAC ATG
 D G L G K S L T G D Y I P G T E T H M

1741 1921 1951
 GCT CCG GAG GTG GTG CTG GGC AGG AGC TGC GAC GCC AAG GTG GAT GTC TGG AGC AGC TGC
 A P E V V L G R S C D A K V D V W S S C

1981 2011

TGT ATG ATG CTG CAC ATG CTC AAC GGC TGC CAC CCC TGG ACT CAG TTC CGA GGG CGG
C M M L H M L N G C H P W T Q F F F R G P
2041 2071

CTC TGC CTC AAG ATT GCC ACC GAG CCT CCG CCT GTG AGG GAG ATC CCA CCC TCC TGC GCC
L C L K I A S E P P V R E I P P B S C A
2101 2131

CCT CTC ACA GCC CAG GCC ATC CAA GAG GGG CTG AGG AAA GAG CCC ATC CAC CGC GTG TCT
P L T A Q A I Q E G L R K E P I H R V S
2161 2191

GCA GCG GAG CTG CGA GGG AAG GTG AAC CGG GCA CTA CAG CAA GTG GGA GCT CTG AAG AGC
A A E L G G K V N R A L Q Q V G G L K S
2221 2251

CCT TGG AGG GGA GAA TAT AAA GAA CCA AGA CAT CCA CGG CCA AAT CAA GGC AAT TAC CAC
P W R G E Y K E P R H P P N Q A N Y H
2281 2311

CAG ACC CTC CAT GCC CAG CCG AGA GAG CTT TCG CCA AGG GCC CCA GGG CCC CGG CCA GCT
Q T L H A Q P R E L S P R A P G P R P A
2341 2371

GAG GAG ACA ACA GGC AGA GCC CCT AAG CTC CAG CCT CCT CTC CCA CCA GAG CCC CCA GAG
E E T T G R A P K L Q P L P P E P P E
2401 2431

CCA AAC AAG TCT CCT CCC TTG ACT TTG AGC AAG GAG GAG TCT GGG ATG TGG GAA CCC TTA
P N K S P P L T L S K E S G H W E P L
2461 2491

CCT CTG TCC TCC CTG GAG CCA GCC CCT GCC AGA AAC CCC AGC TCA CCA GAG CGG AAA GCA
P L S S L E P A P A R N P S S P E R K A
2521 2551

ACC GTC CCG GAG CAG GAA CTG CAG CAG CTG GAA ATA GAA TTA TTC CTC AAC AGC CTG TCC
T V P E Q E L Q Q L E I E L F L N S L S
2581 2611

CAG CCA TTT TCT CTG GAG CAG GAG CAA ATT CTC TCG TGC CTC AGC ATC GAC AGC CTC
Q P F S L E E Q E Q I L S C L S I D S L
2641 2671

TCC CTG TCG GAT GAC ACT GAG AAG AAC CCA TCA AAG GCC TCT CAA AGC TCG CGG GAC ACC
S L S D D S E K N P S K A S Q S S R D T
2701 2731

CTG AGG TCA GGC GTA CAC TCC TGG AGC AGC CAG GCC GAG GCT CGA AGC TCC AGC TGG AAC
L S G V H S W S Q A E A R S S S W N N
2761 2791

ATG GTG CTG GCC CGG CGG CCC ACC GAC ACC CCA AGC TAT TTC AAT GGT GTG AAA GTC
M V L A R G R P T D T P S Y F N G V K V

FIG. 6D

~~16/46~~

2821 2851
 CAA ATA CAG TCT CTT AAT GGT GAA CAC CTC CAC ATC CGG GAG TTC CAC CGG GTC AAA GTG
 Q I Q S L N G E H L H I R E F H R V K V
 2881 2911
 GGA GAC ATC GCC ACT GGC ATC AGC CAG ATC CCA GCT GCA GCC TTC AGC TGC GTC ACC
 G D I A T G I S S Q I P A A F S L V T
 2941 2971
 AAA GAC GGG CAG CCT GTC CGC TAC GAC ATG GAG GTG CCA GAC TCG GGC ATC GAC CTG CAG
 K D G Q P V R Y B M E V P D S G I D L Q
 3001 3031
 TGC ACA CTG GCC CCT GAT GGC AGC TTC GGC TGG AGC TGG AAG CAT GGC CAG CTG
 C T L A P D G S F A W S W R V K H G Q L
 3061 3091
 GAG AAC AGG CCC TAA CCC TGC CCT CCA CGG CGG GCT CCA CAC TGC CGG AAA GCA GCC TIC
 E N R P *

 3121 3151
 CTG CTC GGT GCA CGA TGC TGC CCT GAA AAC ACA GCA GCC TCA GCC GTT CCC AGG GGA TTG CCA

 3181 3211
 GCC CCC CGG CTC ACA GTGG GGA ACC AGG GCC TCG CAG CAA GGT GGG GGC AAG CAG AAT

 3241 3271
 GCC TCC CAG GAT TTC ACA CCT GAG CCC TGC CCC ACC CTG CTG AAA AAA CAT CCG CCA CGT

 3301 3331
 GAA GAG ACA GAA GGA TGG CAG GAG TTA CCT GGG GAA ACA AAA CAG GGA TCT TTT TCT

 3361 3391
 GCC CCT GCT CCA GTC GAG TTG GCC TGA CCC GCT TGG ATC AGT GAC CAT TGT TTG GCA GAC

 3421 3451
 AGG GGA GAG CAG CTT CCA GCC TGG GTC AGA AGG GGT GGG CGA GCC CTT CGG CCC CTC ACC

~~Fig. 6E~~

FIG. 6-5

3481 CTC CAG GCT GCT GTG AGA GTG TCA AGT GTG TAA GGG CCC AAA CTC AGG TTC AGT GCA GAA
3541 CCA GGT CAG CAG GTA TGC CCG CCC GTA GGT TAA GGG CCC CCT CTA AAC CCC TTG CCT GGC
3601 CTC ACC TGG CCA GCT CAC CCC TTT TGG GTG TAG GGG AAA AGA ATG CCT GAC CCT GGG AAG
3661 GCT CCC TGG TAG AAT ACA CCA CAC TTT TCA GGT TGT TGC AAC ACA GGT CCT GAG TTG ACC
3721 TCT GGT TCA GCC AAG GAC CAA AGA AGG TGT GTA AGT GAA GTG GTT CTC AGT CCC CAG ACA
3781 TGT GCC CCT TTG CTG CTG GCT ACC ACT CCT CCC CAG AGC AGC AGG CCC CGA GCC CCT TCA
3841 GGC CCA GCA CTG CCC CAG ACT CGC TGG CAC TCA GTT CCC TCA TCT GTA AAG GTG AAG GGT
3901 GAT GCA GGA TAT GCC TGA CAG GAA CAG TCT GTG GAT GGA CAT GAT CAG TGC TAA GGA AAG
3961 CAG CAG AGA GAG ACC TCC GCC CCA GCC CCA CTA TCA GTG TCC AGC GTG CTG GTT CCC
4021 CAG AGC AGA GGT CAG CAT CAC ACT GAC ACT CAC CCT GCC CTG CCC CTG GCC AGA GGG TAC
4081 TGC CGA CGG CAC TTT GCA CTC TGA TGA CCT CAA AGC ACT TTC ATG GCT GCC CTC TGG CAG

~~FIG. 6F~~

#16. 6-6

18/46

4141 GGC AGG GCA GGG CAG TGA CAC TGT AGG AGC ATA GCA AGC CAG GAG ATG GGG TGA AGG GAC
4201 ACA GTC TTG AGC TGT CCA CAT GCA TGT GAC TCC TCA AAC CTC TTC CAG ATT TCT CTA AGA
4261 ATA GCA CCC CCT TCC CCA TTG CCC CAG CTT AGC CTC TTC TCC CAG GGG AGC TAC TCA GGA
4291 4291
4321 CTC ACG TAG CAT TAA ATC AGC TGT GAA TCG TCA GGG GGT GTC TGC TAG CCT CAA CCT CCT
4351 CTC ACG TAG CAT TAA ATC AGC TGT GAA TCG TCA GGG GGT GTC TGC TAG CCT CAA CCT CCT
4381 4411
4441 GGG GCA GGG GAC GCC GAG ACT CCG TGG GAG CTC ATT CCC ACA TCT TGC CAA GAC AGC
4471 CTT TGT CCA GCT GTC CAC ATT GAG TCA GAC TGC TCC CGG CGA GAG AGC CCC GGC CCC CAG
4501 CAC ATA AAG AAC TGC AGC CTT GGT ACT GCA GAG TCT GGG TTG TAG AGA ACT CTT TGT AAG
4531 4531
4561 CAA TAA AGT TTG GGG TGA TGA CAA ATG TTA AAA AAA
4596

FIG. 6-7

FIG. 6G

WO 97/37016

ANNOTATED SHEET SHOWING CHANGES

Appln. No. 09/155,676

PCT/IL97/00117

19/46

FIG. 7-1

~~FIG. 7A~~

SUBSTITUTE SHEET (RULE 26)

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

~~PCT/IL97/00117~~

~~20146~~

~~FIG. 7B~~

~~SUBSTITUTE SHEET (RULE 26)~~

21/46

s3	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s4	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s9	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s7	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s2	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s6	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s8	133	D K L I L S W D P T D P D E W T M H R V T S W F K F H D F P E S W	165	- - - - -	- - - - -	0
s1	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s5	27	S K L V K A L S S H K L S R S D L K A L G G S E T I S D G P	59	- - - - -	- - - - -	0
s3	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s4	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s9	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s7	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s2	1	- - - - -	- - - - -	- - - - -	- - - - -	0
s6	1	I L F F K K H Q L F G H R F I K L L A Y D N F A V Y E K Y L P Q T	198	- - - - -	- - - - -	0
s8	166	I L F F K K H Q L F G H R F I K L L A Y D N F A V Y E K Y L P Q T	198	- - - - -	- - - - -	0
s1	1	S Q L T F K D R Y V F N E S L Y L K K L K K T A L D D Y Y T R G I	92	- - - - -	- - - - -	0

FIG. 1-3

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

~~22/46~~

7-47

FIG. 7D

~~SUBSTITUTE SHEET (RULE 26)~~

23/46

Fig. 5

~~FIG. 7E~~

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

~~24/46~~

FIG. 7F

~~SUBSTITUTE SHEET (RULE 26)~~

~~25/46~~

s3	1	- - - - -	0
s4	1	- - - - -	0
s9	1	- - - - -	0
s7	1	- - - - -	0
s2	1	- - - - -	0
s6	1	- - - - -	0
s8	397	L A K G K S K H Y E T N V S S P L K Q S S L P T S D D K G N L W N	429
s1	1	- - - - -	0
s5	291	F K T N L T L R R Q E L D D W I N R F S S P I S S S D N C Q E D F D	323
s3	1	- - - - -	0
s4	1	- - - - -	0
s9	1	- - - - -	0
s7	1	- - - - -	0
s2	1	- - - - -	0
s6	1	- - - - -	0
s8	430	K F K R K S Q I G V P S P N T V A Y V T S Q E T P S L K S N S S T	462
s1	1	- - - - -	0
s5	324	G V P Q W N C K M K I L A E Q L M K E K N I E S I F Q K	- - - 351

FIG. 7-7

~~FIG. 7G~~

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

~~WO 97/37016~~

~~PTM/97/00117~~

~~26/46~~

53	1	0
54	1	0
59	1	0
57	1	0
52	1	0
56	1	0
463	1	0
58	1	0
51	1	0
352	1	0
53	1	0
54	1	0
59	1	0
57	1	0
52	1	0
56	1	0
496	1	0
58	1	0
51	1	0
352	1	0

ATLTQVQTAADVNPSPSSSSPPPIPIKTANRSLEV1495
KIFYPLSPWMFKLKLHFIIVYRET374

STEDTPKISSSTIASFKETYPDCINPDCKTVPPV520
LTKNNIKYPYERLRSLLAPPYLIKEVILTRLS407

~~FIG 7H~~

~~SUBSTITUTE SHEET (RULE 26)~~

FS 7-8

WO 97/37016

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

PCT/IL97/00117

27/46

s3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
529	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s5	408	Y	A	R	K	L	K	N	P	T	M	M	M	I	D	Q	M	I	0
		A	R	K	L	K	N	P	T	M	M	M	I	D	Q	M	I	R	Y
		A	R	K	L	K	N	P	T	M	M	M	I	D	Q	M	I	R	Y
		A	R	K	L	K	N	P	T	M	M	M	I	D	Q	M	I	R	Y
		A	R	K	L	K	N	P	T	M	M	M	I	D	Q	M	I	R	Y
s3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s2	5	T	S	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s6	15	G	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
562	562	V	T	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
s5	441	L	T	K	Y	C	S	N	L	P	F	D	V	D	F	P	T	F	0
		L	T	K	Y	C	S	N	L	P	F	D	V	D	F	P	T	F	0
		L	T	K	Y	C	S	N	L	P	F	D	V	D	F	P	T	F	0
		L	T	K	Y	C	S	N	L	P	F	D	V	D	F	P	T	F	0
		L	T	K	Y	C	S	N	L	P	F	D	V	D	F	P	T	F	0

FIG. 7-9

FIG. 7I

SUBSTITUTE SHEET (RULE 26)

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

Fig. 7 - 10

15

~~FIG. 7J~~

~~SUBSTITUTE SHEET (RULE 26)~~

WO 97/37016

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

PCT/IL97/00117

29/46

Fig. 7 - 1

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

30/46

53	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
54	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
59	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
57	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
52	102	FS LEDASK	- - -	FI VCVSQSSR	- -	I KL	123
56	156	LL ATNSNGEVTKM VQD YDVFVLDYTKNVLHLL	Y	168			
58	715	V SNTN PTEELN YWN KEVLSHEENAPKMWFKTS	747				
51	13	VTMLN ASGSTHFTRMRRRLMA ADEVE AEVI Q	45				
55	604	S GNTFESSGVYMF AAPELLGC DNDTILRILRNK	636				
53	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
54	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
59	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
57	1	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
52	121	TEEEFKQICFNS	- - -	SSPERDRLIIVP	147		
56	169	D VELVTICHAN	- - -	DRVEKNRLIFVSK	212		
58	746	P KLELLNI.PDKGSKLN PTPITENESKSSFOVLR	780				
51	55	L6 VEDTVDGH QD S LQAV APT S CLEN SSLENTYH	78				
55	1637	SIG CDLVPKLDTGNNLNVYD TTT KETDLNIVS	669				

FIG. 7-12

FIG. 7L

37/46

Fig. 1-13

FIG. 7M

~~SUBSTITUTE SHEET (RULE 26)~~

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

~~32X46~~

—
—
—
—

5
11

~~FIG. 7N~~

~~SUBSTITUTE SHEET (RULE 26)~~

53	1	1	0
54	1	146 RKKSSKSLAHAGVALAKPLPRTPEQESCTIPV 178	0
59	1	1	0
57	1	1	0
52	242 LSI RTSQGHNLG	1	0
56	313 RLS I AQRRLPLSAESNNIGDILLKHSN	2	RRA 267
58	905 PSLKMKQKVNRSNSTVSTSNSIFYSPSP	3	- AV 340
51	204 PVFTQSRPPSSNIHRPKPSRPVPGSTS	4	PLL KRG 937
55	801 EKRCSLNSI ESSLQKINKAYYKLTYT	5	KLGDA 236
53	1	1	0
54	1	179 QEDESPLGAPYVRNTPQFTKPLKEPGLGQLCFK 211	0
59	1	1	0
57	1	1	0
52	268 RPSELVCPLSSLRI	2	SVA 284
56	341 DMALLQGLDQTRL	3	SSKL 357
58	93B NSKRVVSSSTAADI	4	TFADAPPMDSD 970
51	237 TKSSMTLDLGASASRCDDSFGGGNNAV	5	PSD 269
55	834 ILGSFMKQCPGNELLNSI	6	FMFGRDFGRSFLKYN 866

FIG. 70

FIG 1-15

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

34/45

FIG. 7E

SUBSTITUTE SHEET (RULE 26)

Fig. 7 - 17

~~FIG. 70~~

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

81-
81-
81-
81-

36/46

SUBSTITUTE SHEET (RULE 26)

37/46

132	W	K	T	Y	H	S	G	S	D	V	P	H	G	A	G	Y	V	H	R	M	G	M	N	A	H	T	G	N	E	W
132	W	K	T	Y	H	N	G	S	D	V	P	H	G	A	G	Y	V	H	R	M	G	M	N	A	H	T	G	N	G	W
402	H	Q	E	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1169	E	Y	K	E	F	A	W	M	K	G	O	O	G	L	G	G	Y	C	L	N	Y	C	D	Y	A	Q	A	N	G	
403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1028	[S]	N	V	S	M	R	W	Q	K	R	S	F	G	G	G	G	Q	V	Y	S	A	A	N	Y	G	E	N	G		
164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

FIG. 7S

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

38/46

SUBSTITUTE SHEET (RULE 26)

~~FIG. 7T~~

39/46

FIG. 7-21

FIG. 7U

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

s3 s4 s9 s7 s2 s6 s8 s1

FIG. 7V

~~41/46~~

12550	R B W S N L D N	- - - - -	E M A I M Y H V A G H I P Q L I H N H D	- - - - -	1277
356	D C S P R G M	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
356	D C S P R G M	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
621	A Q H E E	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
330	A Q H E E	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
626	K D E Q A	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
681	K D E Q A	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
1408	N A T S S	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
636	N A T S S	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	
1277	L H E T	- - - - -	E E A S S C Q E K R K E R N E R N E R N	- - - - -	

s3 s4 s9 s7 s2 s6 s8 s1 s5

FIG. 7W

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

~~FIG. 7X~~

SUBSTITUTE SHEET (RULE 26)

WO 97/37016

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

PCT/IL97/00117

43/46

FIG. 2Y

SUBSTITUTE SHEET (RULE 26)

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 97/37016

PCT/IL97/00117

44/46

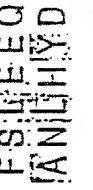
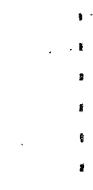
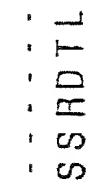
53	462		G	- - - - -	- - - - -	467
54	462		G	- - - - -	- - - - -	467
59	786		E	EQ I L S C L S I D S L S D D S E K N P S K A S Q	810	
57	491		A N L H Y D Q A T I K P T N N P I M S Y K E D L A F T F P S G Q S	523		
S2	0			- - - - -	659	
S6	0			- - - - -	717	
S8	0			- - - - -	1470	
S1	0			- - - - -	672	
S5	0			- - - - -	1314	
S3	0			- - - - -	467	
S4	0			- - - - -	467	
59	819		S S R D T L S S G V H S W S S Q A E A R S S S W N M V L A R G R P	851		
57	524		A A E D D D E L T E S K I R A F L D E K A M D L K K L Q T P L Y E	556		
S2	0			- - - - -	659	
S6	0			- - - - -	717	
S8	0			- - - - -	1470	
S1	0			- - - - -	672	
S5	0			- - - - -	1314	

FIG. 72

s3	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	467
s4	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	467
s9	852	T D T P S Y F N G V K V Q I Q S L N G E H L H I R E F H R V K V G	884					
s7	557	G F Y N S L N V S S T P S P V G T G N K E N V P S N I N L P P K S	589					
s2	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	659
s6	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	717
s8	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1478
s1	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	672
s5	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1314
s3	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	467
s4	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	467
s9	885	D I A T G I S S Q I P A A F S L V T K D G Q P V R Y D M E V P D	917					
s7	590	R S P K R M L S R R L S T A I E G A C A P S P V T H S K R I S N I	622					
s2	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
s6	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	659
s8	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	717
s1	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1478
s5	0	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	672
								1314

FIG. 7AA

FIG. 7-27

ANNOTATED SHEET SHOWING CHANGES
Appln. No. 09/155,676

WO 87/37016

PCT/IL97/00117

s9	0	- - - - -	467
s4	0	- - - - -	467
s9	918	SGIDLOCTLAPDGSSFAWSWRVKHGQLENRP	917
s7	623	GGLNGEAIQEAQQLPRHNEWKDLGGSQREAVNNS	655
s2	0	- - - - -	659
s6	0	- - - - -	717
s8	0	- - - - -	1470
s1	0	- - - - -	672
s5	0	- - - - -	1314
s3	0	- - - - -	467
s4	0	- - - - -	467
s9	0	- - - - -	947
s7	656	FSERQRWRKELDEELQRKREIMRQAVNLSPPK	688
s2	0	- - - - -	659
s6	0	- - - - -	717
s8	0	- - - - -	1470
s1	0	- - - - -	672
s5	0	- - - - -	1314

FIG. 7BB